



Serial No.: 09/659,983

REMARKS

Included herewith are: (1) A computer readable form (CRF) copy of the SEQUENCE LISTING for United States patent application serial no. 09/659,983 filed on 12 September 2000; (2) a paper copy of the SEQUENCE LISTING; and (3) a Statement per 37 C.F.R. §§ 1.821(f).

It is respectfully submitted that the application, as originally filed, supports the amendment previously set forth. The specification has been amended to insert the sequence of SEQ ID NO: 2, which was listed in the originally filed, SEQUENCE LISTING. In addition, the SEQUENCE LISTING has been amended to comply with the Office Communication mailed on December 17, 2001. The SEQUENCE LISTING has also been amended to correct errors in the sequences. The originally filed, SEQUENCE LISTING supports these amendments.

It is respectfully submitted that the amendments of the specification and SEQUENCE LISTING include no new matter. Should the Office determine that additional issues remain, which might be resolved by a telephone conference, it is respectfully invited to contact applicants' undersigned attorney.

Respectfully Submitted,

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January 14, 2002

Enclosure: Version With Markings to Show Changes Made
CRF copy of the SEQUENCE LISTING
Paper copy of the SEQUENCE LISTING
Statement per 37 C.F.R. § 1.821(f)

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION

Recently it was reported that a second form of GnRH (GnRH-II) is present in primate brain (Lescheid et al. Endocrinol. 138 (1997) 5618-5629) and a gene for this second GnRH molecule was cloned from a human genomic library (GnRH-II, [(SEQ ID NO: 2)] amino acid sequence pEHWSHGWYPG# (SEQ ID NO: 2)) (White et al. PNAS USA 95 (1998) 305-309). Mammalian GnRH-I (SEQ ID NO 1) is hardly expressed outside the brain. A few exceptions are known in this respect. GnRH I is present in the endometrium of women with a menstrual cycle (Casan et al. Fertil. Sateril. 1998, 70, 102-106) and is expressed during pregnancy in the human placenta (Kelly et al. DNA cell Biol. 1991, 10, 411-421). GnRH mRNA was found in ovary, testis, thymus, placenta and hypothalamus of the rat (Oikawa et al., Endocrinology, 1990, 127, 2350-2356). Expression of GnRH was detected in immune tissue (spleen, thymus and lymphocytes) of pigs (Weesner et al., Life Sci, 1997, 61, 1643-1649).